UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 7,579,453 B2
APPLICATION NO. : 10/561487
DATED   : August 25, 2009
INVENTOR(S)   : Drayna et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Specification:

Column 2, line 32: "PTC)" should read --(PTC)--

Column 12, line 13: "Its" should read --In--

Column 18, line 65: "1989)." should read --1989))--

Column 22, line 7: "that predicted" should read --that are predicted--

Column 27, line 36: "thereof In" should read --thereof. In--

Column 30, line 26: "comprising" should read --comprise--

Column 31, line 45: "of consisted of" should read --consisted of--

Column 32, line 61: "Online.)" should read --Online)--

Column 33, lines 22-23: "$p<10^-{}_{10}$)" should read --$p<10^{-10}$)--

Column 39, line 28: "Nucleic Acid/(Amino" should read --Nucleic Acid/Amino--

Column 42, line 31: "regions Kaplan et al." should read --regions (Kaplan et al.--

Column 42, line 58: "25, 549" should read --25,549--

Column 42, line 60: "1, 627" should read --1,627--

Column 45, line 10: "AU SNPs" should read --All SNPs--

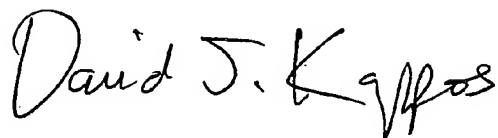Column 45, line 26: "4 A SNPs" should read --4.4 SNPs--

Column 45, line 30: "observed FIG." should read --observed (FIG.--

Column 48, lines 2-3: "method of (Excoffier, *Curr.*" should read --method of Excoffier (*Curr.*--

Column 48, line 12: "allele$_{13}$ frequency $_{13}$ project" should read --allele_frequency_project--

Signed and Sealed this

Eighth Day of June, 2010

David J. Kappos
Director of the United States Patent and Trademark Office

Column 62, line 10: "condition believed" should read --condition is believed--

Column 66, line 44: "T2R's" should read --T2Rs--

Column 66, lines 49-50: "et aL" should read --et al.--

Column 68, line 62: "described Tang" should read --described by Tang--

Column 72, lines 60-61: "methods can determine" should read --methods that can determine--

Column 73, line 49: "form Or," should read --form. Or,--

Column 73, line 60: "CHARMM" should read --CHARMm--

Column 82, line 36: "material.," should read --material,--

Column 85, line 25: "variant" should read --variant.--

In the Sequence Listing:

Descriptor <223> for position 8 of SEQ ID NO: 5: "y is t or c" should read --r is a or g--

In the Claims:

Column 97, lines 22-23: "C/A at position 638" should read --G/A at position 638--

Column 97, line 31: "C/T at position 867" should read --G/T at position 867--

Column 97, line 37: "A/G at position (SEQ" should read --A/G at position 776 (SEQ--

Column 99, line 9: "NO: 193;" should read --NO: 193);--

Column 99, line 20: "position 94 of T1R48" should read --position 94 of T2R48--

Column 99, line 54: "position 186 of T1R4" should read --position 186 of T2R4--

Column 100, line 2: "T9R9" should read --T2R9--

Column 100, line 7: "T9R10" should read --T2R10--

Column 100, line 11: "T9R16" should read --T2R16--

Column 100, line 22: "NO: 193;" should read --NO: 193);--

Column 100, line 41: "position 499" should read --position 429--

Column 102, lines 28-29: "at least "about 10 contiguous nucleotides spanning at least", one" should read --at least about 10 contiguous nucleotides spanning at least one--